

Input to any "OFF" port:.....	100 mW cw or peak
Input to any "ON" port:.....	0.5W cw or peak
Input to common port:.....	0.5W cw or peak
Survival Power	
F9180:.....	1W average, 75W peak (1 µsec max. pulse width)
F9180W:	
Input to any "OFF" port:.....	1W average, 10W peak (1 µsec max. pulse width)
Input to any "ON" port:.....	1W average, 75W peak (1 µsec max. pulse width)
Input to common port:.....	1W average, 75W peak (1 µsec max. pulse width)

Power Supply Requirements..... +5V ±5%, 100 mA
-12V to -15V, 50 mA

CONTROL CHARACTERISTICS

CONTROL LOGIC
Logic "0" (-0.3 to +0.8V) for port ON
Logic "1" (+2.0 to +5.0V) for port OFF.
CONTROL INPUT IMPEDANCE
0.5 mA sink current, max.

ENVIRONMENTAL RATINGS

Temperature Range	
Operating.....	-54°C to +110°C
Non-Operating.....	-65°C to +125°C
Humidity	MIL-STD-202F, Method 103B, Cond. B (96 hrs. at 95%)
Shock	MIL-STD-202F, Method 213B, Cond. B (75G, 6 msec)
Vibration	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude or 15G, whichever is less)
Altitude	MIL-STD-202F, Method 105C, Cond. B (50,000 ft.)
Temp. Cycling	MIL-STD-202F, Method 107D, Cond. A, 5 cycles

ACCESSORIES FURNISHED

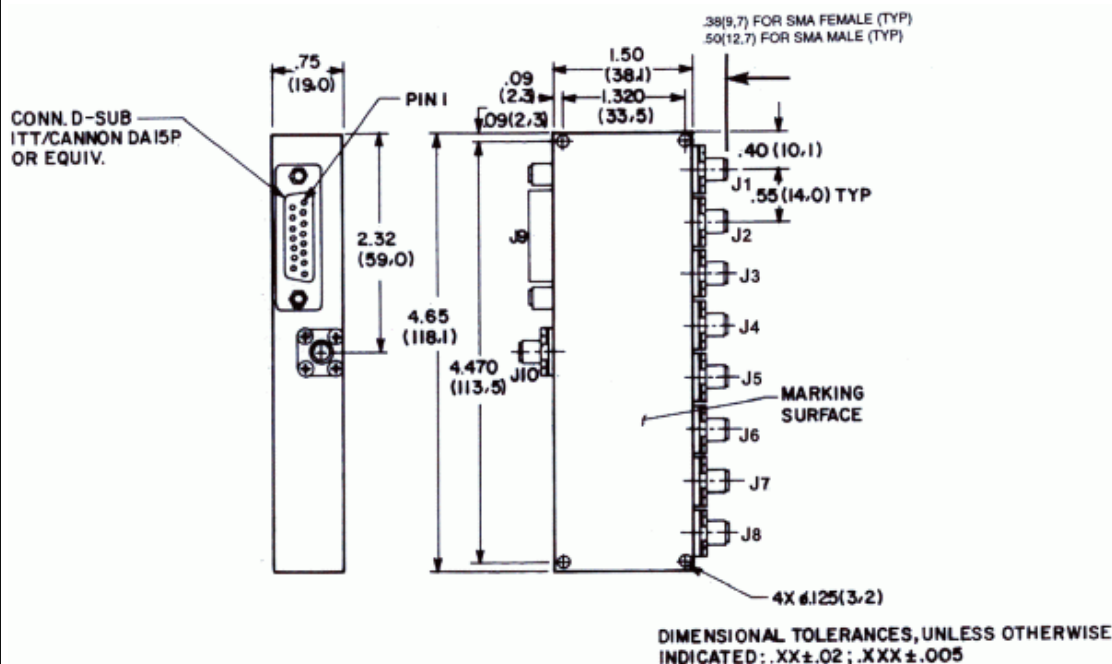
Mating power/logic connector
AVAILABLE OPTIONS

Option No.	Description
7	SMA male RF connectors
9	Inverse control logic; logic "0" for port OFF and logic "1" for port ON
11	±5V operation
41*	Internal video filter, common port only
42*	Internal video filter, output ports only
43*	Internal video filter, all ports

[*See Video Filter Options on Switches](#)

DIMENSIONS AND WEIGHTS

PIN	FUNCTION
1	J8 CONTROL
2	J6 CONTROL
3	+5V
4	GND
5	J4 CONTROL
6	J3 CONTROL
7	J2 CONTROL
8	J1 CONTROL
9	J7 CONTROL
10	J5 CONTROL
11	N/C
12	N/C
13	N/C
14	STD Unit: -12v to -15v Opt 11:-5v
15	N/C



DIMENSIONAL TOLERANCES, UNLESS OTHERWISE INDICATED: .XX±.02; .XXX±.005

MODELS F9180 and F9180W
8.5 oz. (240 gm) approx.



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